

ABSTRACT OF THE DISCLOSURE

The invention discloses a method for locating specimen regions of interest in a stimulatable microscopic specimen (13) that comprises the steps of: introducing into a specimen (13) of at least two stimulation-specific stains, illuminating with at least one illuminating light beam (7), initiating a stimulation, detection (4) of the light (16) emerging from the stimulation-specific stains, and identifying (5) of the spatial position of the regions within the specimen (13) from which light of at least two different wavelengths that are emission wavelengths of the stimulation-specific stains is emerging.

(FIG. 1)

FIG. 1 is a schematic diagram of a method for locating specimen regions of interest in a stimulatable microscopic specimen (13) that comprises the steps of: introducing into a specimen (13) of at least two stimulation-specific stains, illuminating with at least one illuminating light beam (7), initiating a stimulation, detection (4) of the light (16) emerging from the stimulation-specific stains, and identifying (5) of the spatial position of the regions within the specimen (13) from which light of at least two different wavelengths that are emission wavelengths of the stimulation-specific stains is emerging.